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January 25, 2005

Time: 11:10 Am  
(Minneapolis, Minn.)TO: Commissioner for Patents  
Attn: Amy A. Lewis  
Patent Examining Corps  
Facsimile Center  
P.O. Box 1450  
Alexandria, VA 22313-1450FROM: Gina M. UphusOUR REF: 618.002US1TELEPHONE: 571-272-2765FAX NUMBER 703-872-9306

\* Please deliver to Examiner Amy A. Lewis in Art Unit 1614. \*

Document(s) Transmitted: A copy of the Information Disclosure Statement previously filed June 25, 2002 (3 pages), A copy of the stamped returned postcard (1 pg.), A copy of PAIR Search Results for Application No. 09/866,458 (2 pages).

Examiner Lewis,

Per our telephone conversation, attached is a copy of the Information Disclosure Statement filed 6/25/2002 which was not initialed and returned. Please initial and return the 1449 at your earliest convenience.

Thank you,

Gina Uphus  
Paralegal  
612-359-3272Total pages of this transmission, including cover letter: 7 pgs.

If you do NOT receive all of the pages described above, please telephone us at 612-373-6900 or fax us at 612-339-3061.

In re. Patent Application of: Gary G. Meadows et al.Examiner: Amy A. LewisSerial No.: 09/866,458Group Art Unit: 1614Filed: May 25, 2001Docket No.: 618.002US1Title: USE OF SEROTONIN AGENTS FOR ADJUNCT THERAPY IN THE TREATMENT OF CANCERBy: Gina Uphus  
Name: Gina M. Uphus

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

Gina Uphus  
Gina Uphus1-25-05  
Date of Transmission

COPY

S/N 09/866,458PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gary G. Meadows et al. Examiner: Jerome D. Goldberg  
Serial No.: 09/866,458 Group Art Unit: 1614  
Filed: May 25, 2001 Docket: 618.002US1  
Title: USE OF SEROTONIN AGENTS FOR ADJUNCT THERAPY IN THE  
TREATMENT OF CANCER

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants have included the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Account No. 19-0743.

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

GARY G. MEADOWS ET AL.

By their Representatives;

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 349-9580

Date 25 June 2002

By P. Jurkovich  
Patti J. Jurkovich  
Reg. No. 44,813

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner of Patents, Washington, D.C. 20231, on this 25 day of June, 2002.

Jane E. Brockschink  
Name

Jan Brockschink  
Signature

In re Patent Application of: Gary G. Meadows et al.

Title: USE OF SEROTONIN AGENTS FOR ADJUNCT THERAPY IN THE  
TREATMENT OF CANCER

Serial No.: 09/866,458

Filing Date: May 25, 2001

Receipt is hereby acknowledged for the following in the United States Patent and  
Trademark Office:

**CONTENTS:** An Amendment and Response (11 pages); a check in the amount of  
\$225.00 to cover the fee for additional claims; Petition for Extension of Time (1 pg.); a  
check in the amount of \$55.00 to cover the Extension of Time; Information  
Disclosure Statement (1 pg.); Form 1449 (2 pgs.), and copies of 25 cited references; a check  
in the amount of \$180.00 to cover the fee for consideration of Information Disclosure  
Statement under 97(c); Clean Version of Pending Claims (3 pgs.); Copies of 3 supporting  
U.S. Patent Nos. 5,981,541, 6,040,342, 6,030,961; a Return Postcard and TRANSMITTAL  
SHEET.

Mailed: June 25, 2002  
PJJ/jeb1

Docket No.: 618.002US1  
Due Date: May 25, 2002

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Substitute for form 1449A/PTO

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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



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PTO/SR08A(10-01)

Approved for use through 10/31/2002, OMB 051-0031

US Patent &amp; Trademark Office U.S. DEPARTMENT OF COMMERCE

Complete if Known

Application Number	09/866458
Filing Date	May 25, 2001
First Named Inventor	Meadows Ph.D., Gary
Group Art Unit	1614
Examiner Name	Goldberg, Jerome

Sheet 1 of 2

Attorney Docket No: 00618.002US1

**US PATENT DOCUMENTS**

Examiner Initials *	Cite No <sup>1</sup>	USP Document No	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures appear
		US-3561444	02/09/1971	Boucher	
		US-3703173	11/21/1972	Dixon, T. A.	
		US-4051842	10/04/1977	Hazel, P. M., et al	
		US-4140122	02/20/1979	Kuhl, D., et al	
		US-4383529	05/17/1983	Webster, H. L.	
		US-4624251	11/25/1986	Miller, N. C.	
		US-4635627	10/09/1990	Eppstein, D. A., et al	
		US-4962091	10/09/1990	Eppstein, D. A., et al	
		US-5560922	10/01/1996	Chien, Y. W., et al	
		US-5879712	03/09/1999	Bomberger, et al	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No <sup>1</sup>	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures appear	T <sup>2</sup>
		WO-94/07529	04/14/1994	Kunz		

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		ABDUL, M., et al., "Growth-Inhibitory Effects of Serotonin uptake Inhibitors on Human Prostate Carcinoma Cell Lines", <u>The Journal of Urology</u> , 154, (1995), pp. 247-250	
		BRANDES, L.J., et al., "Stimulation of Malignant Growth in Rodents by Antidepressant Drugs at Clinically Relevant Doses", <u>Cancer Research</u> , 52, (1992), pp. 3496-3800	
		IKEN, K., et al., "Serotonin Upregulates Mitogen-Stimulated B Lymphocyte Proliferation through 5-HT1A Receptors", <u>Cellular Immunology</u> , 163, (1995), pp. 1-9	
		JOKI, T., et al., "Continuous release of endostatin from microencapsulated engineered cells for tumor therapy", <u>Nature Biotechnology</u> , 19, (Jan. 2001), pp. 35-39	
		LIU, Y., et al., "Haloperidol and spiperone potentiate murine splenic B cell proliferation", <u>Immunopharmacology</u> , 34, (1996), pp. 147-159	
		MERZAK, A., et al., "Expression of serotonin receptors in human fetal astrocytes and glioma cell lines: a possible role in glioma cell proliferation and migration", <u>Molecular Brain Research</u> , 41, (1996), pp. 1-7	
		NEWMAN, S.P., "Chapter 9: Therapeutic aerosols", In: <u>Aerosols and the Lung: Clinical and Experimental Aspects</u> , Stewart W. Clarke, et al., Eds., Butterworths	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	09/866458
Filing Date	May 25, 2001
First Named Inventor	Meadows Ph.D., Gary
Group Art Unit	1614
Examiner Name	Goldberg, Jerome

Sheet 2 of 2

Attorney Docket No: 00618.002US1

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		(Publisher), (1984), pp. 197-224	
		PAKALA, R., et al., "Effect of Serotonin, Thromboxane A2, and Specific Receptor Antagonists on Vascular Smooth Muscle Cell Proliferation", <u>Circulation</u> , 96 (7), (1997), pp. 2280-2286	
		SHEEHAN, P.F.J., et al., "Effects of Histamine and 5-Hydroxytryptamine on the Growth Rate of Xenografted Human Bronchogenic Carcinomas", <u>Clinical and Experimental Pharmacology and Physiology</u> , 23, (1996), pp. 465-471	
		STEINGART, A.B., et al., "Do Antidepressants Cause, Promote, or Inhibit Cancers", <u>J. Clin. Epidemiol.</u> , 48 (11), (1995), pp. 1407-1412	
		UEHARA, Y., et al., "Antiproliferative Effects of the Serotonin Type 2 Receptor Antagonist, Ketanserin, on Smooth Muscle Cell Growth in Rats", <u>Journal of Cardiovascular Pharmacology</u> , 17 (Suppl. 2), (1991), pp. S154-S156	
		WESTPHAL, R.S., et al., "Differences in Agonist-Independent and -Dependent 5-Hydroxytryptamine2C Receptor-Mediated Cell Division", <u>Molecular Pharmacology</u> , 49, (1996), pp. 474-480	
		YOUNG, M.R.I., et al., "Stimulation of splenic T-lymphocyte function by endogenous serotonin and by low-dose exogenous serotonin", <u>Immunology</u> , 80, (1993), pp. 395-400	
		ZACHRISSON, K., et al., "Serotonin and neuroendocrine peptides influence DNA synthesis in rat and human small intestinal cells in vitro", <u>Acta Physiol. Scand.</u> , 163, (1998), pp. 195-200	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1448)

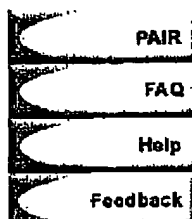
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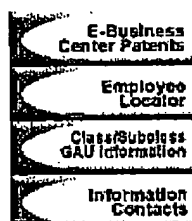
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## PATENT APPLICATION INFORMATION RETRIEVAL



## Other Links



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Search results as of: 1-25-2005::11:20:47 E.T.

Search results for application number:09/866,458			
Application Number:	09/866,458	Customer Number:	21186
Filing or 371(c) Date:	05-25-2001	Status:	Allowed - Notice of Allowance Mailed - Issue Revision Completed
Application Type:	Utility	Status Date:	11-16-2004
Examiner Name:	LEWIS, AMY A	Location:	ELECTRONIC
Group Art Unit:	1614	Location Date:	-
Confirmation Number:	4123	Earliest Publication No:	-
Attorney Docket Number:	618.002US1	Earliest Publication Date:	-
Class/ Sub-Class:	514/321	Patent Number:	-
First Named Inventor:	Gary Meadows, Pullman, WA (US)	Issue Date of Patent:	-
Title Of Invention:	USE OF SEROTONIN AGENTS FOR ADJUNCT THERAPY IN THE TREATMENT OF CANCER		

Select Search Option

Assignments  
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Patent Term Adjustment History  
Publication Review

Search



File History	
Date	Contents Description
12-30-2004	Workflow - Query Request - Begin
12-02-2004	Workflow - File Sent to Contractor
11-16-2004	Mail Notice of Allowance
11-16-2004	Mail Examiner's Amendment
11-15-2004	Issue Revision Completed
11-15-2004	Notice of Allowance Data Verification Completed
11-15-2004	Case Docketed to Examiner in GAU
11-15-2004	Examiner's Amendment Communication
11-15-2004	Notice of Allowability
11-09-2004	Examiner Interview Summary Record (PTOL - 413)
10-14-2004	Case Docketed to Examiner in GAU
01-21-2004	IFW Amended case processing Complete
01-21-2004	Date Forwarded to Examiner
12-22-2003	Response after Non-Final Action
12-23-2003	Request for Extension of Time - Granted
10-03-2003	Case Docketed to Examiner in GAU

07-15-2003	Mail Non-Final Rejection
06-27-2003	Non-Final Rejection
04-15-2003	Notice of Appeal Filed
04-15-2003	Request for Extension of Time - Granted
10-10-2002	Mail Final Rejection (PTOL - 326)
09-25-2002	Final Rejection
07-31-2002	Date Forwarded to Examiner
06-28-2002	Response after Non-Final Action
06-28-2002	Request for Extension of Time - Granted
06-28-2002	Information Disclosure Statement (IDS) Filed
02-25-2002	Mail Non-Final Rejection
02-14-2002	Non-Final Rejection
02-11-2002	Date Forwarded to Examiner
01-23-2002	Response to Election / Restriction Filed
11-30-2001	Mail Restriction Requirement
11-19-2001	Requirement for Restriction / Election
11-05-2001	Case Docketed to Examiner in GAU
11-02-2001	Application Dispatched from OIPE
11-01-2001	Application Is Now Complete
08-02-2001	Notice Mailed--Application Incomplete--Filing Date Assigned
08-02-2001	Correspondence Address Change
06-05-2001	IFW Scan & PACR Auto Security Review
05-25-2001	Initial Exam Team nn

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